

Environmental Protection Agency

§ 421.83

§ 421.80 Applicability: Description of the primary zinc subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of primary zinc by either electrolytic or pyrolytic means.

§ 421.81 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term *product* shall mean zinc metal.

§ 421.82 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable technology currently available:

EFFLUENT LIMITATIONS

| Effluent characteristics | Maximum for any 1 day | Average of Daily values for 30 consecutive days shall not exceed |
|--------------------------|-------------------------------------|--|
| | (1) Metric Units (kg/kg of product) | (1) English Units (pounds per 1,000 pounds of product) |
| TSS | 0.42 | 0.21 |
| As | 0.0016 | 0.0008 |
| Cd | 0.008 | 0.004 |
| Se | 0.08 | 0.04 |
| Zn | 0.08 | 0.04 |
| pH | (¹) | (¹) |

Within the range of 6.0 to 9.0.

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§ 421.83 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall

achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

(a) Subpart H—Zinc Reduction Furnace Wet Air Pollution Control.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of zinc reduced | |
| Cadmium | .334 | .134 |
| Copper | 2.135 | 1.018 |
| Lead | .467 | .217 |
| Zinc | 1.702 | .701 |

(b) Subpart H—Preleach of Zinc Concentrates.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of concentrate leached | |
| Cadmium | .180 | .072 |
| Copper | 1.153 | .550 |
| Lead | .252 | .117 |
| Zinc | .919 | .378 |

(c) Subpart H—Leaching Wet Air Pollution Control.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of zinc processed through leaching | |
| Cadmium | .000 | .000 |
| Copper | .000 | .000 |
| Lead | .000 | .000 |
| Zinc | .000 | .000 |

(d) Subpart H—Electrolyte Bleed Wastewater.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of cathode zinc produced | |
| Cadmium | .086 | .035 |